

## **Historic, Archive Document**

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# Avalanche Notes

U.S. Forest Service  
Westwide Avalanche Network

APRIL 1993

JUN

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APRIL  
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## Weather

April snowfall was within 20% of normal in much of the mountain West, but was much heavier in Colorado. Along the West Coast, Mt. Rainier, WA, recorded 117% of normal, while Alpine Meadows, CA, got 84%. In Utah, Alta reported 118%, and Snowbird, 95%. In Colorado, a storm on the 19th-20th dropped 16-20" at several sites, and an upslope storm on the 12th-13th dropped 20" at Bear Lake in Rocky Mountain National Park. Arapahoe Basin had measurable snow on 24 days and wound up with 135% of normal. Gothic, too, had 135%, while Winter Park got 170%; Berthoud Pass, 175%; and Copper Mountain, 190%. In Alaska, Alyeska recorded 26" on the 1st-2nd, but wound up with only 68% of normal. A warm-up in the Alyeska area on the 25th-28th produced a cycle of large wet slab avalanches: Alyeska observed several slabs that fractured 10-12 feet deep and fell 2000 vertical feet.

## Avalanches

All of the significant avalanche incidents came early in April. On April 3-9, a rash of avalanche accidents -- five in all -- claimed six lives in the western U.S. and Alaska. Three events came on the 3rd.

April 3, Gakona Glacier, AK: Three snowmobilers were traveling this glacier 150 miles NE of Anchorage. One triggered an avalanche, was swept 2000 feet vertical, and was buried deeply in a crevasse. His body will probably never be recovered.

April 3, Odyssey Mt., Chugach Range, AK: A 28-year-old competitor in the World Extreme Skiing Championships was standing near the start gate at the top of the mountain and holding onto a bamboo pole when a shallow avalanche knocked his feet out from under him. This led to a cornice collapse, which in turn triggered a larger avalanche on the slope below. The victim fell more than 1000 feet down a rocky chute and was killed by head injuries.

April 3, Wasatch Range, UT: Five backcountry skiers entered Wolverine Bowl by rappeling from the ridge to reach skiable terrain. The second man down triggered a small pocket of soft slab. This triggered a large avalanche further down, which swept the victim to the runout and buried him. Rescuers with beacons located the man and dug him out from 6-8 feet of snow. He never regained consciousness and died four days later.

April 8, Crested Butte, CO: A 42-year-old pro patroller was skiing alone and triggered an avalanche in an out-of-bounds area. Later, when he failed to answer his radio, another patroller followed the ski tracks into the fresh avalanche, did a beacon search, and located the victim shallowly buried against a tree. Death was apparently due to a head injury.

April 9, Buffalo Mt., Summit County, CO: A party of four backcountry skiers triggered a soft slab avalanche that totally buried two and partially buried a third skier. The two buried victims were wearing beacons and were uncovered in about 30 minutes. One was later pronounced dead at the site, and the other was flown to a Denver hospital where he died two days later.

A total of 12 incidents were reported in April, resulting in 16 people caught, 4 partly buried, 5 buried, and 6 killed.

#### MARCH REVISITED

We just recently learned of a fatal avalanche that occurred in March in New York. On or about March 13, a man and wife were driving their pickup truck along State Route 280, which parallels the Hudson River north of New York City. They became stuck in snow and abandoned the truck. While walking along the roadway, a natural avalanche released and totally buried the man. Hours later his body was recovered by rescuers, some of whom were West Point cadets.

#### WINTER SUMMARY

Table 1 lists avalanche statistics for the past 20 winters. This year was above average in all categories except estimated property damage. The 27 deaths are a modern-day record for the U.S.

Table 2 presents snowfall totals for all Westwide sites that submitted weather data for the 4-month period of December-March. Alaska, the Cascades, and the northern Intermountain zone received below-normal snows, while the rest of the West was deep with white.

Table 3 lists avalanche totals for all sites reporting this winter.

Table 1: Annual avalanche summaries for the U.S.

| WINTER  | AVALANCHES | PEOPLE |    |    |    | VEHICLES |     | avalanche damaged |       |      | estimated property damage |           |
|---------|------------|--------|----|----|----|----------|-----|-------------------|-------|------|---------------------------|-----------|
|         |            | C      | B  | I  | K  | BUR      | DAM | BLDGs             | LIFTS | MISC |                           |           |
| 1992-93 | 10,342     | 194    | 87 | 11 | 27 | 47       | 11  | 15                | 0     | 0    | \$                        | 392,000   |
| 1991-92 | 5,522      | 150    | 66 | 17 | 18 | 13       | 8   | 0                 | 1     | 2    |                           | 70,000    |
| 1990-91 | 7,049      | 134    | 54 | 12 | 8  | 8        | 2   | 2                 | 0     | 1    |                           | 160,000   |
| 1989-90 | 6,122      | 141    | 58 | 16 | 8  | 14       | 8   | 3                 | 0     | 3    |                           | 150,000   |
| 1988-89 | 7,385      | 143    | 55 | 4  | 7  | 33       | 6   | 2                 | 0     | 8    |                           | 2,216,000 |
| 1987-88 | 5,338      | 148    | 50 | 13 | 8  | 7        | 5   | 2                 | 0     | 25   |                           | 650,000   |
| 1986-87 | 5,036      | 128    | 62 | 13 | 23 | 5        | 0   | 3                 | 0     | 1    |                           | 175,000   |
| 1985-86 | 7,437      | 102    | 49 | 11 | 15 | 18       | 7   | 6                 | 1     | 3    |                           | 150,000   |
| 1984-85 | 6,903      | 115    | 42 | 18 | 14 | 8        | 0   | 4                 | 0     | 2    |                           | 80,000    |
| 1983-84 | 7,161      | 122    | 42 | 20 | 14 | 27       | 7   | 4                 | 0     | 6    |                           | 140,000   |
| 1982-83 | 11,822     | 174    | 68 | 20 | 14 | 32       | 11  | 5                 | 4     | 3    |                           | 80,000    |
| 1981-82 | 10,102     | 212    | 78 | 16 | 19 | 77       | 25  | 10                | 8     | 8    |                           | 1,700,000 |
| 1980-81 | 5,695      | 131    | 58 | 7  | 23 | 5        | 1   | 0                 | 2     | 0    |                           | 10,000    |
| 1979-80 | 10,669     | 136    | 44 | 9  | 6  | 34       | 16  | 7                 | 1     | 19   |                           | 650,000   |
| 1978-79 | 9,420      | 159    | 62 | 16 | 11 | 54       | 24  | 5                 | 1     | 4    |                           | 1,250,000 |
| 1977-78 | 11,151     | 155    | 71 | 16 | 17 | 19       | 5   | 5                 | 3     | 2    |                           | 300,000   |
| 1976-77 | 3,764      | 98     | 35 | 13 | 10 | 3        | 0   | 2                 | 0     | 0    |                           | 500       |
| 1975-76 | 7,905      | 177    | 81 | 15 | 17 | 13       | 6   | 1                 | 1     | 1    |                           | 100,000   |
| 1974-75 | 10,387     | 195    | 79 | 9  | 22 | 30       | 5   | 4                 | 1     | 2    |                           | 150,000   |
| 1973-74 | 11,782     | 159    | 92 | 13 | 13 | 54       | 16  | 11                | 2     | 7    |                           | 300,000   |
| AVERAGE | 8,050      | 149    | 62 | 13 | 15 | 25       | 8   | 5                 | 1     | 6    | \$                        | 436,000   |

Table 2: Snowfall totals for the winter of 1992-93

| <u>State and Site</u> | <u>Dec-Mar<br/>(inches)</u> | <u>% of<br/>Normal</u> | <u>Nov-Apr<br/>(inches)</u> | <u>% of<br/>Normal</u> |
|-----------------------|-----------------------------|------------------------|-----------------------------|------------------------|
| Alaska                |                             |                        |                             |                        |
| Alyeska               | 336                         | 91%                    | 493                         | 99%                    |
| Eaglecrest            | 180                         |                        |                             |                        |
| California            |                             |                        |                             |                        |
| Alpine Meadows        | 468                         | 179%                   | 501                         | 152%                   |
| Heavenly Valley       | 310                         |                        |                             |                        |
| Kirkwood Meadows      | 579                         |                        | 707                         |                        |
| Squaw Valley          | 352                         | 155%                   | 363                         | 135%                   |
| Sugar Bowl            | 532                         |                        |                             |                        |
| Colorado              |                             |                        |                             |                        |
| Arapahoe Basin        | 243                         | 117%                   | 376                         |                        |
| Aspen Highlands       | 202                         | 124%                   |                             |                        |
| Aspen Mountain        | 238                         | 149%                   |                             |                        |
| Aspen Snowmass        | 187                         |                        |                             |                        |
| Bear Lake             | 175                         |                        | 277                         |                        |
| Beaver Creek          | 281                         | 135%                   |                             |                        |
| Berthoud Pass         | 253                         | 125%                   | 407                         | 133%                   |
| Breckenridge          | 215                         | 106%                   |                             |                        |
| Copper Mountain       | 243                         | 140%                   |                             |                        |
| Crested Butte         | 198                         | 122%                   |                             |                        |
| Eldora                | 133                         |                        |                             |                        |
| Gothic                | 383                         | 167%                   | 504                         | 156%                   |
| Keystone              | 194                         |                        | 290                         |                        |
| Loveland Basin        | 278                         | 124%                   |                             |                        |
| Monarch               | 263                         | 141%                   | 343                         |                        |
| Purgatory             | 288                         | 160%                   |                             |                        |
| Red Mountain Pass     | 269                         | 130%                   |                             |                        |
| Steamboat             | 308                         | 130%                   |                             |                        |
| Sunlight              | 221                         | 127%                   |                             |                        |
| Telluride             | 213                         | 118%                   |                             |                        |
| Vail                  | 283                         | 108%                   | 447                         |                        |
| Winter Park Ski Area  | 306                         | 122%                   |                             |                        |
| Winter Park Town      | 203                         | 137%                   | 308                         | 137%                   |
| Wolf Creek            | 332                         | 125%                   |                             |                        |
| Idaho                 |                             |                        |                             |                        |
| Schweitzer Basin      | 180                         |                        |                             |                        |
| Sun Valley            | 202                         | 145%                   |                             |                        |
| Montana               |                             |                        |                             |                        |
| Big Mountain          | 211                         | 87%                    |                             |                        |
| Big Sky               | 162                         | 85%                    |                             |                        |
| Bridger Bowl          | 152                         | 68%                    |                             |                        |
| New Mexico            |                             |                        |                             |                        |
| Taos                  | 240                         | 139%                   |                             |                        |
| Oregon                |                             |                        |                             |                        |
| Mt. Hood Meadows      | 261                         | 80%                    | 335                         |                        |
| Utah                  |                             |                        |                             |                        |
| Alta                  | 406                         | 114%                   | 576                         | 115%                   |
| Snowbird              | 338                         | 102%                   | 521                         | 111%                   |
| Washington            |                             |                        |                             |                        |
| Alpental              | 193                         |                        |                             |                        |
| Crystal Mountain 1    | 207                         | 87%                    |                             |                        |
| Crystal Mountain 2    | 192                         | 65%                    |                             |                        |
| Mt. Rainier-Paradise  | 309                         | 67%                    | 517                         | 80%                    |
| Snoqualmie Pass       | 185                         |                        |                             |                        |
| Stevens Pass          | 238                         | 75%                    |                             |                        |
| Stevens Pass U.S. 2   | 220                         |                        |                             |                        |
| Wyoming               |                             |                        |                             |                        |
| Jackson Hole          | 298                         | 106%                   |                             |                        |

Table 3: Avalanche totals for the winter of 1992-93

| Ski Areas                  | No.  | Highways, Mines, Nat. Parks<br>and Backcountry Areas | No. |
|----------------------------|------|--|-----|
| 1. Alpine Meadows, CA      | 1270 | 1. Red Mountain Pass, CO                             | 331 |
| 2. Alta, UT                | 1146 | 2. Gothic, CO  | 264 |
| 3. Squaw Valley, CA        | 774  | 3. Berthoud Pass, CO                                 | 121 |
| 4. Stevens Pass, WA        | 659  | 4. Snoqualmie Pass I-90, WA                          | 113 |
| 5. Snowbird, UT            | 608  | 5. Stevens Pass U.S. 2, WA                           | 98  |
| 6. Kirkwood Meadows, CA    | 403  | 6. Colorado Highway 110, CO                          | 59  |
| 7. Bridger Bowl, MT        | 396  | 7. Loveland Pass, CO                                 | 40  |
| 8. Aspen Snowmass, CO      | 362  | 8. Urad-Henderson Mine, CO                           | 33  |
| 9. Alyeska, AK             | 359  | 9. Lizard Head Pass, CO                              | 24  |
| 10. Crystal Mountain, WA   | 352  | 10. Wolf Creek Pass, CO                              | 12  |
| 11. Mt. Hood Meadows, OR   | 313  | 11. Teton Pass, WI                                   | 9   |
| 12. Big Sky, MT            | 285  | 12. Mt. Rainier Nat. Park, WA                        | 7   |
| 13. Sugar Bowl, CA         | 263  | 13. Vail Pass, CO                                    | 2   |
| 14. Aspen Highlands, CO    | 252  |  |     |
| 15. Heavenly Valley, CA    | 213  |  |     |
| 16. Alpental, WA           | 198  |  |     |
| 17. Jackson Hole, WY       | 196  |  |     |
| 18. Telluride, CO          | 127  |  |     |
| 19. Wolf Creek, CO         | 125  |  |     |
| 20. Arapahoe Basin, CO     | 121  |  |     |
| 21. Taos, NM               | 108  |  |     |
| 22. Crested Butte, CO      | 97   |  |     |
| 23. Big Mountain, MT       | 95   |  |     |
| 24. Mt. Rose/Slide Mt., NV | 74   |  |     |
| 25. Loveland Basin, CO     | 58   |  |     |
| 26. Monarch, CO            | 55   |  |     |
| 27. Mammoth Mountain, CA   | 49   |  |     |
| 28. Sun Valley, ID         | 46   |  |     |
| 29. Vail, CO               | 38   |  |     |
| 30. Breckenridge, CO       | 33   |  |     |
| 30. Copper Mountain, CO    | 33   |  |     |
| 32. Winter Park, CO        | 32   |  |     |
| 33. Grand Targhee, WY      | 31   |  |     |
| 34. Aspen Mountain, CO     | 29   |  |     |
| 35. Steamboat, CO          | 18   |  |     |
| 36. Sunlight, CO           | 8    |  |     |
| 37. Beaver Creek, CO       | 3    |  |     |

U.S. FOREST SERVICE  
WESTWIDE WEATHER AND AVALANCHE NETWORK  
FORT COLLINS, COLORADO

APRIL 1993  
SUMMARY OF WEATHER AND SNOW CONDITIONS

| AREA | SNOWFALL |     |     | WATER EQUIVALENT |       |     |        |    |    | SNOW DEPTH |     |     | TEMPERATURE |     |     | WIND SPEED AND DIRECTION |         |           |    |     |     |      |   |
|------|----------|-----|-----|------------------|-------|-----|--------|----|----|------------|-----|-----|-------------|-----|-----|--------------------------|---------|-----------|----|-----|-----|------|---|
|      | MAX      |     |     | MAX              |       |     |        |    |    | D          |     |     | MEAN        |     |     | AVG                      |         | 6 HOUR    |    | D   |     |      |   |
|      | TOTAL    | IN  | D   | TOTAL            | IN    | D   | NUMBER | T  | GE | GE         | GE  | MAX | T           | MIN | Avg | FOR                      | PERIODS | FASTEST   | A  | MO. | GE  | HOUR | T |
|      | FALL     | Avg | HR. | T                | WATER | HR. | T      | GE | GE | GE         | GE  | MAX | T           | MIN | Avg | 15                       | 20      | 15        | 20 | MPH | MPH | DIR. | E |
|      | IN.      | DEN | IN. | E                | IN.   | IN. | E      | .1 | .2 | .5         | 1.0 | IN. | E           | IN. | IN. |                          |         | DEGREES F |    |     |     |      |   |

CENTRAL AND SOUTHERN ROCKY MOUNTAINS

|                      |      |     |    |    |      |      |    |    |    |    |    |    |    |    |    |       |       |       |       |     |     |    |     |    |    |
|----------------------|------|-----|----|----|------|------|----|----|----|----|----|----|----|----|----|-------|-------|-------|-------|-----|-----|----|-----|----|----|
| ARAPAHOE BASIN, COLO | 70.6 | .07 | 8  | 13 | 5.18 | .85  | 13 | 17 | 12 | 3  | 0  | 90 | 25 | 78 | 83 | 32.3  | 10.7  | 21.5  | 14.9  | 56  | 21  | 36 | 250 | 11 |    |
| BEAR LAKE, RMNP, CO  | 48.6 | .08 | 15 | 13 | 4.06 | .95  | 13 | 11 | 8  | 2  | 0  | 78 | 13 | 59 | 66 | 30.8M | 19.0M | 24.9M | --    | --  | --  | -- | --  | -- | -- |
| BERTHOUD PASS, COLO  | 93.9 | .07 | 10 | 3  | 6.41 | 1.00 | 19 | 18 | 12 | 3  | 1  | 92 | 20 | 72 | 82 | 31.5  | 13.6  | 22.5  | 14.0  | 53  | 21  | 33 | 230 | 11 |    |
| COPPER MTN, COLO     | 79.5 | .06 | 11 | 25 | 5.01 | .80  | 25 | 16 | 10 | 4  | 0  | 79 | 20 | 66 | 70 | 38.7  | 14.3  | 26.5  | 19.3M | 87M | 51M | 41 | 270 | 11 |    |
| GOTHIC, COLO         | 58.5 | .08 | 11 | 19 | 4.56 | 1.18 | 19 | 12 | 9  | 2  | 1  | 89 | 6  | 69 | 81 | 36.2  | 17.8  | 27.0  | --    | --  | --  | -- | --  | -- | -- |
| KEYSTONE, COLO       | 62.3 | --  | 10 | 19 | --   | --   | -- | -- | -- | -- | -- | -- | -- | -- | -- | 35.8M | 12.8M | 24.3M | 7.2M  | 1M  | 0M  | -- | --  | -- |    |
| MONARCH, COLO        | 28.3 | .07 | 7  | 3  | 1.99 | .55  | 3  | 6  | 5  | 1  | 0  | -- | -- | -- | -- | 37.3M | 16.4M | 26.8M | --    | --  | --  | -- | --  | -- |    |
| VAIL, COLO           | 85.3 | .08 | 14 | 25 | 6.68 | 1.25 | 25 | 16 | 10 | 5  | 1  | -- | -- | -- | -- | 28.7M | 15.1M | 21.9M | 8.3M  | 7M  | 1M  | -- | --  | -- |    |
| WINTER PARK 1E, COLO | 64.4 | .08 | 10 | 13 | 4.99 | .95  | 13 | 15 | 10 | 3  | 0  | 69 | 20 | 54 | 59 | 43.2  | 21.6  | 32.4  | --    | --  | --  | -- | --  | -- | -- |

INTERMOUNTAIN

|                |      |     |    |    |      |      |    |    |   |   |   |    |   |    |    |      |      |      |      |    |    |    |    |    |
|----------------|------|-----|----|----|------|------|----|----|---|---|---|----|---|----|----|------|------|------|------|----|----|----|----|----|
| SNOWBIRD, UTAH | 66.5 | .10 | 13 | 19 | 6.86 | 1.41 | 19 | 13 | 9 | 4 | 3 | 96 | 3 | 70 | 84 | 43.3 | 24.0 | 33.6 | 22.4 | 95 | 74 | -- | -- | -- |
|----------------|------|-----|----|----|------|------|----|----|---|---|---|----|---|----|----|------|------|------|------|----|----|----|----|----|

WEST COAST

|                      |      |     |    |    |       |      |    |    |    |    |    |     |    |     |     |       |       |       |      |    |    |    |     |    |    |
|----------------------|------|-----|----|----|-------|------|----|----|----|----|----|-----|----|-----|-----|-------|-------|-------|------|----|----|----|-----|----|----|
| ALPINE MEADOWS, CAL  | 26.5 | .14 | 8  | 1  | 3.81  | .99  | 18 | 6  | 5  | 4  | 0  | 131 | 1  | 103 | 118 | 44.2  | 28.8  | 36.5  | 27.7 | 96 | 83 | 75 | 260 | 4  |    |
| ALYESKA, ALASKA      | 57.1 | .09 | 16 | 1  | 10.38 | 1.38 | 16 | 14 | 11 | 7  | 2  | 135 | 2  | 98  | 117 | 41.5  | 31.5  | 36.5  | 5.0  | 0  | 0  | 15 | 140 | 19 |    |
| HEAVENLY VALLEY, CAL | 18.0 | --  | 6  | 1  | --    | --   | -- | -- | -- | -- | -- | 118 | 1  | 84  | 104 | 44.8  | 23.1  | 34.0  | --   | -- | -- | -- | --  | -- | -- |
| MT. HOOD MDWS, ORE.  | 28.5 | .19 | 7  | 11 | 8.35  | 1.93 | 3  | 16 | 13 | 5  | 1  | 118 | 24 | 101 | 109 | --    | --    | --    | --   | -- | -- | -- | --  | -- | -- |
| MT. RAINIER PARADISE | 89.0 | .13 | 17 | 11 | 12.41 | 1.52 | 11 | 24 | 22 | 8  | 3  | 151 | 11 | 119 | 140 | 36.1  | 23.9  | 30.0  | 7.6  | 13 | 1  | 26 | 260 | 29 |    |
| SQUAW VALLEY, CALIF  | 9.7  | .16 | 4  | 1  | 2.99  | .94  | 9  | 5  | 4  | 3  | 0  | 84  | 1  | 34  | 63  | 48.5  | 24.9  | 36.7  | --   | -- | -- | -- | --  | -- | -- |
| STEVENS PASS 5E WASH | 20.5 | .29 | 5  | 19 | 7.99  | 1.48 | 19 | 10 | 9  | 7  | 3  | 62  | 1  | 45  | 55  | 40.8M | 29.4M | 35.1M | --   | -- | -- | -- | --  | -- | -- |
| SUGAR BOWL, CALIF    | 35.0 | --  | 9  | 18 | --    | --   | -- | -- | -- | -- | -- | 265 | 6  | 250 | 259 | 46.5  | 26.1  | 36.3  | 10.9 | 55 | 32 | 40 | 220 | 17 |    |

-- DATA INCOMPLETE OR MISSING

M-ONE OR MORE DAYS OF RECORD MISSING-IF AVERAGE VALUE IS ENTERED, LESS THAN 10 DAYS RECORD IS MISSING

IF M IS ENTERED IN WIND SPEED COLUMN, LESS THAN 37 6-HOUR PERIODS ARE MISSING

GE--GREATER THAN OR EQUAL TO

U. S. FOREST SERVICE  
WESTWIDE WEATHER AND AVALANCHE NETWORK  
FORT COLLINS, COLORADO

APRIL 1993  
avalanche summary

| AREA          | TOTAL          |               | TOTAL         |               | DATES<br>OF |             | NUMBER<br>OF<br>DAYS<br>WITH |             | TYPE OF     |             | avalanche   |       | Fracture<br>Line<br>Heights<br>in feet |                 | Vertical Descent<br>in feet |     |        |        |        |        |        |        |        |        |      |     |
|---------------|----------------|---------------|---------------|---------------|-------------|-------------|------------------------------|-------------|-------------|-------------|-------------|-------|--|-----------------|-----------------------------|-----|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|
|               | A<br>V         | A<br>V        | A<br>A        | L<br>L        | S<br>S      | F<br>F      | MAX                          | A<br>V      | S<br>L      | R<br>T      | A<br>T      | SLABS | L<br>O                                 | AVALS<br>ACROSS | MAJOR<br>ACCESS<br>ROADS    | NO. | NO.    | T<br>T | T<br>E | NUMBER | NUMBER | NUMBER | FEET   | NO.    |      |     |
| THIS<br>MONTH | THIS<br>WINTER | R<br>A<br>ONE | R<br>A<br>ONE | S<br>S<br>DAY | S<br>S<br>T | A<br>S<br>T | A<br>S<br>MAX                | U<br>L<br>F | U<br>L<br>F | U<br>R<br>R | H<br>A<br>A | SLABS | L<br>O<br>O                            | GE<br>GE<br>GE  | GE<br>GE<br>GE              | MAX | ACCESS | NO.    | NO.    | T<br>T | T<br>E | NUMBER | NUMBER | NUMBER | FEET | NO. |

## CENTRAL AND SOUTHERN ROCKY MOUNTAINS

|                      |    |     |    |    |    |     |    |   |    |    |   |    |   |    |   |   |   |    |    |    |      |   |
|----------------------|----|-----|----|----|----|-----|----|---|----|----|---|----|---|----|---|---|---|----|----|----|------|---|
| ARAPAHOE BASIN, COLO | 9  | 121 | 1  | 21 | 4  | 21  | 4  | 0 | 7  | 2  | 0 | 9  | 0 | 0  | 9 | 3 | 1 | 8  | 6  | 1  | 1200 | 0 |
| ASPEN SNOWMASS, COLO | 34 | 362 | 2  | 26 | 11 | 6   | 6  | 0 | 33 | 1  | 3 | 31 | 0 | 0  | 1 | 0 | 0 | 32 | 0  | 0  | 465  | 0 |
| BERTHOUD PASS, COLO  | 11 | 96  | 8  | 19 | 4  | 19+ | 4  | 0 | 1  | 10 | 0 | 11 | 0 | 0  | 2 | 0 | 0 | 11 | 5  | 0  | 500  | 0 |
| CRESTED BUTTE, COLO  | 3  | 97  | 5  | 8  | 2  | 6   | 2  | 0 | 3  | 0  | 0 | 3  | 0 | 0  | 2 | 0 | 0 | 3  | 1  | 0  | 800  | 0 |
| GOTHIC, COLO         | 41 | 264 | 6  | 30 | 10 | 28  | 12 | 0 | 0  | 41 | 0 | 2  | 5 | 34 | 4 | 1 | 1 | 41 | 53 | 14 | 1800 | 0 |
| MONARCH, COLORADO    | 1  | 55  | 10 | 10 | 1  | 10  | 1  | 0 | 0  | 1  | 1 | 0  | 0 | 0  | 1 | 1 | 1 | 1  | 1  | 0  | 600  | 0 |
| RED MTN PASS U.S.550 | 21 | 331 | 3  | 25 | 7  | 8   | 9  | 0 | 7  | 14 | 1 | 14 | 0 | 6  | 4 | 1 | 1 | 11 | 6  | 3  | 3000 | 3 |
| STEAMBOAT SPRNGS, CO | 8  | 18  | 3  | 14 | 5  | 3   | 2  | 0 | 8  | 0  | 2 | 0  | 0 | 6  | 2 | 0 | 0 | 7  | 0  | 0  | 200  | 0 |
| WINTER PARK S.A., CO | 6  | 32  | 1  | 11 | 3  | 11+ | 2  | 0 | 0  | 6  | 0 | 6  | 0 | 0  | 3 | 0 | 0 | 3  | 0  | 0  | 300  | 0 |
| WOLF CREEK, COLO     | 5  | 125 | 6  | 6  | 5  | 6   | 1  | 0 | 5  | 0  | 0 | 5  | 0 | 0  | 2 | 0 | 0 | 1  | 0  | 0  | 300  | 0 |

## INTERMOUNTAIN

|                      |    |     |   |    |    |    |   |   |    |   |   |    |   |   |   |   |   |    |    |   |       |   |
|----------------------|----|-----|---|----|----|----|---|---|----|---|---|----|---|---|---|---|---|----|----|---|-------|---|
| BRIDGER BOWL, MONT   | 57 | 396 | 5 | 11 | 28 | 11 | 3 | 0 | 51 | 6 | 0 | 57 | 0 | 0 | 0 | 0 | 0 | 57 | 37 | 5 | 1100  | 0 |
| GRAND TARGHEE, IDAHO | 13 | 31  | 7 | 15 | 11 | 12 | 3 | 0 | 13 | 0 | 0 | 11 | 0 | 2 | 8 | 1 | 0 | 9  | 6  | 1 | 1000+ | 0 |
| JACKSON HOLE, WYO    | 10 | 196 | 5 | 5  | 10 | 5  | 1 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 2 | 0 | 0 | 10 | 9  | 0 | 700   | 0 |

## WEST COAST

|                     |    |      |   |    |    |     |   |   |    |    |   |    |   |   |    |    |    |    |    |    |      |   |
|---------------------|----|------|---|----|----|-----|---|---|----|----|---|----|---|---|----|----|----|----|----|----|------|---|
| ALPINE MEADOWS, CAL | 60 | 1270 | 4 | 24 | 18 | 24  | 5 | 0 | 58 | 2  | 0 | 60 | 0 | 0 | 3  | 0  | 0  | 58 | 20 | 0  | 700  | 0 |
| ALYESKA, ALASKA     | 69 | 359  | 1 | 28 | 18 | 18+ | 9 | 0 | 54 | 15 | 3 | 55 | 5 | 6 | 46 | 14 | 12 | 69 | 67 | 44 | 2000 | 0 |
| CRYSTAL MTN, WASH   | 6  | 352  | 2 | 2  | 6  | 2   | 1 | 0 | 6  | 0  | 0 | 0  | 6 | 0 | 0  | 0  | 0  | 6  | 5  | 0  | 650  | 0 |
| KIRKWOOD MDWS, CAL  | 60 | 403  | 1 | 24 | 23 | 18  | 4 | 0 | 56 | 4  | 1 | 59 | 0 | 0 | 11 | 0  | 0  | 60 | 20 | 0  | 800+ | 0 |
| MT. HOOD MEADOWS    | 11 | 313  | 7 | 18 | 4  | 11  | 4 | 0 | 11 | 0  | 4 | 7  | 0 | 0 | 5  | 0  | 0  | 5  | 4  | 0  | 650  | 0 |
| SQUAW VALLEY, CALIF | 53 | 774  | 1 | 24 | 23 | 18  | 4 | 0 | 53 | 0  | 1 | 52 | 0 | 0 | 5  | 0  | 0  | 34 | 1  | 0  | 500  | 0 |
| SUGAR BOWL, CALIF   | 19 | 263  | 1 | 18 | 11 | 18  | 2 | 0 | 19 | 0  | 1 | 18 | 0 | 0 | 1  | 1  | 0  | 17 | 8  | 0  | 600  | 0 |

-- = DATA INCOMPLETE OR MISSING

GE = GREATER THAN OR EQUAL TO

+ = ALSO OCCURRED ON OTHER DATES